

# PVRC NEWSLETTER - MARCH 2002

## **SWEEPSTAKES AWARDS**

**by Pete Smith, N4ZR**

I am actively crunching away on the certificates and plaques for the intra club Sweepstakes awards. Please check below for any awards that you think you qualified for, and notify me if you are not on the appropriate list. I hope to get certificates out during March, though follow-ups will of course be possible

**A. First-time Contributor Awards** -- these are folks who contributed an SS score to PVRC for the first time in 2001 (even if they previously submitted SS scores for another club). The ones I have so far are:

**ND3A, K1SE, W3TEF (at W3SO), N4YDU, N4TL, W4IDX, N14S, WJ9B, W3KNZ, N4GG, K2YWE, W4PW, W3BP, WM3T, KF4OKG, KD4D, N3UM**

**Surely there must be more! Regional chairmen, if you know of people in your chapter who deserve this certificate please let me know.**

**B. Top Gun Awards** -- I have the following listed for Top Gun mugs (single ops contributing 250,000 or more points for the club). Please let me know if you should be on this list, or if you're here but shouldn't be ;^):

**K2PLF, K3DI, K3MM, K3TM, K3ZO, K4MA, KD4D, N2NFG, N4ZR, W2CS, W2GG, W3PP, W3SY, W4NF, WR3L, W4MYA, AA4NC, W3LPL, N4AF.**

**Live wire awards.** Enough of those easy ones! These time of participation awards are for total time (one or both modes) spent on the air in the contest (counted the way the contest counts it (i.e. 30-minute minimum off periods). I KNOW these lists are incomplete, so please help me out.

**In many cases, people are carried in the 12 and 24 hour categories because I only know their operating time for one mode. If it wasn't reported to W2GG it probably isn't here, unless I got it separately, from you directly.**

**People who reported more than 47 hours were carried as 48 hour award winners.**

**I am missing data on AJ3M, K1GG, K2PLF, K2UOP, K3RA, K3SV, K3TM, K3YDX, K4GMH, K4IQ, K4KDJ, K4YT, K8OQL, KE4MIL, KG6AR, N1WR, N2NFG, N3KW, N3OC, N4EL, N4YDU, NE3H, NT4D, W3AZ, W3BP, W3EKT, W3HVQ, W3MR, W3OU, W3SO, W3YD, W4TNX, W4YE, W8ZA, WA3RGH, WD3A, WJ9B, WR3L (note if one of these calls also appears below, it just means they shouldn't be here, but I missed them).**

**12 hours silver certificate:**

**AA4KD, AD4L, AI3M, K2YWE, K3AN, K3DNE, K3GV, K3IXD, K3KO, K4QPL, K4TMC, K7SV, KM3V, K04PY, KV3R, N2QT, N3GPI, N3HS, N3HXQ, N4GG, N4RV, N4TL, N4YDU, N14S, NT4D, W2CS, W3ARS, W3CB, W3PP, W3UL.**

**24 hours gold certificate:**

**K2UOP, N3FX, N3HUV, N3HXQ, N3UM, N4AF, N4CW, N4MM, N4ZR** (the guy who came up with the idea fell 30 minutes short of 36 hours), **NX9T, W2CS, W4IDX, W4RIM, W4ZYT, WW4M, WX3B.**

**36 hours platinum certificate (+ lapel pin):**

**W3CB, W3UJ, W3SY, K2PLF, W3PP, N2NFG, WJ9B, N3UM, W4MYA, WM3T.**

**48 hours diamond certificate (+ lapel pin)**

**KD4D, W4NF, K4MA, K3MM, AA4NC, K4MA, W2GG.**

**HAMFEST SCHEDULE**

**Northern PVRC land; part of 2002**

**April**

**6 - 7 Timonium, MD**

**21 York, PA**

**28 New Castle, DE**

**May**

**4 Graysonville, MD**

**5 Wrightstown, PA**

**14 W. Conshocken, PA**

**17-19 Dayton, Ohio**

**26 Howard County, MD**

**June**

**2 Mannassas, VA**

**8 Bloomsburg, PA**

**16 Frederick, MD**

**Corrections to Glen, [email protected] who provides the northern info. Can anybody supply info to me about all of NC and VA (& WV?) Hamfests for 2002? -K3DI**

**CENTRAL MEETING SCHEDULE**

**by Pres. Brian McGinnes, N3OC**

**March - Temple Hills MD Grounding**

**presentation by N3RR**

**April - Vienna VA**

**May - Temple Hills MD**

**June - W3LPL**

**July - W4MYA & likely joint YCCC/**

**FRC/FCC picnic last weekend**

**August- W3Y0Z**

**September- Temple Hills, MD**

**October - Vienna, VA**

**November - Temple Hills, MD**

**December - Holiday Dinner,**

**usually in Tysons Corner, VA**

**CENTRAL MEETING MINUTES, 2/11/02 BY Pres Brian McGinness, N30C**

**The February PVRC meeting was held at the Vienna Library 2/11/02 at 7:30PM. Members in attendance were: WR3L, N30C, AA4KD, N3HXQ, W3DQ, K4VV, W3Y0Z, K4YT, K3ZO, N3RR, and KT4W. Bill, K3WA, was attending his first PVRC meeting and is interested in membership.**

**N30C gave the monthly president's report. A report on the 2001 SS and the rumored outcome was given, along with some of our plans for next year on motivating folks to get on. A final report was given on the annual holiday dinner, coordinated by K4VV. Everyone was reminded the new officers are in place, with the addition of two new trustees ND3A and W3PP.**

**It was announced we would be adding WAE to the list of contests that will count for the Five Million award. We will get the reference pages in the newsletter and on the web site updated to reflect this. This starts this year, in 2002.**

**N3RR will be giving a presentation on station grounding at the March meeting, in Temple Hills, MD. N30C inquired about any presentation the Northern Virginia group would be interested in having for the April meeting. Since WAE has been added, we will try to get something together for the April meeting concerning WAE, QTCs and how some logging programs handle that.**

**The latest from the ARRL regarding QST contest coverage is they have accepted our proposal to work with a group of testers. It is my understanding a group has been assembled and will be working with the ARRL to come up with the best coverage we can get within their budgets.**

**The ARRL apparently will allow a minor change, or variation, of the 175-mile club circle. A club will be able to choose ONE entire ARRL section, in lieu of the circle. This certainly will not help PVRC, but might help clubs in large western states where now the entire state can be in the club's area.**

**Remember to mark your logs "Potomac Valley Radio Club" and nothing else because the ARRL robot is checking that field now in order to automatically compile the club totals.**

**PVRC has received CQ Magazine's plaque for winner, combined club score, for the 1998 WPX. This is the first CQ plaque we have seen in a long long time. We will research who the lucky member is who will receive this.**

**WR3L gave a brief treasurer's report. Membership action - Applications were received from KT3D, WI3N, K3HDM, KB3DVC and KA8YPY. All of these are from the Laurel region and are LARC members. A brief bio was read on each, and all were voted into membership. Welcome to PVRC!**

**There was no old business.**

**W3Y0Z announced the 2002 Fowlfest would be held Saturday, August 17th this year at the usual spot in Churchton, MD south of Annapolis.**

**The remainder of the meeting was devoted to war stories. Marty W3Y0Z reports a film is being made about his station in western PA, and is being shown to potential testers around the area.**

**Ed N3HXQ just returned from Japan and was dozing during the meeting. His next project is to get his 160m inverted L installed.**

**Bill N3RR has put up additional short beverages and reports they are working very well. The lesson here is if you**

**don't have room for a full-sized one, put up what you have room for and it may have acceptable results. Bill also reports he has some loose tower bolts he will be tightening this spring.**

**Eric W3DQ worked the CQ 160 contest from his DC QTH with N30C. They again used N30C's short dxpedition vertical (30') with acceptable results. They were able to work a number of countries, and even run a few Eu with it. Two EWEs were also put on Eric's small lot and they were able to hear very well, including VK and ZL. Several emails were received in thanks for getting the DC multiplier on long enough to work the west coast and some DX.**

**Clair AA4KD reports he has not been on the air too much lately.**

**Jack K4VV reports he has been busy at work, and moving into his new QTH and consolidating things into one location.**

**Ray KT4W reports he was at N4RV for ARRL CW, where they did a multiop.**

**Fred K3ZO said he is enjoying the VHF contests that are occurring at the top of the solar cycle. He has worked some F2 openings on 6m, and was working many Eu on Saturday but not Sunday.**

**Bill K3WA is attending his first meeting and plans on joining PVRC. He has 95 countries on 80m and hopes to get to 100 this weekend in the contest.**

**Karl K4YT told of his efforts in YA to get a license and get on the air. YA0USA is the club callsign at the embassy. It is easy now to get a license over there but Karl reports you will need your own typewriter to type it up yourself!**

#### **CENTRAL VA CC MEETING, 2/12/02 by John Youell, W4TNX**

**At the dinner "meeting" at the Crazy Greek, we had in attendance: KE3CCE (Nancy), W4HZ (Jon), K4JA (Paul), Bruce (Paul's ham neighbor), W4MYA (Bob), KF4QQY (Barry), K4KML (Marie), K4KJL (Jerry), K4WMA (Bill), N4DWK (Dave), and W4TNX (John). A few DX topics were covered and a few station projects were discussed, as well as the upcoming contests. It seems that many are finding that work is getting in the way of their hobby, especially with the sunspots so high! Nancy left us at the end of the meal to go home to Goochland and Paul and Bruce headed back towards the aluminum forest in Callao.**

**We were joined at the Church meeting site by WK4Y (Roy), KE4PRL (Eddie), K7MX (Don) and W4NM (AJ). Our hosts W4DR (Bob) and N4CFL (Rosalie) were in an adjacent part of the Church, helping out with the traditional Shrove Tuesday pancake dinner. The program for the evening was going to be the K5K DX'pedition video, but due to problems with the monitor, we will postpone that 'til next month.**

**Club business included these highlights:**

**Packet success! Thanks to all involved. We voted to let Jon use his discretion (up to a point) in picking a gift thanking WA4ONG for the use of his site for our new W4ML packet node.**

**We voted to sponsor the Va. QSO Party Plaque for Club Competition in Memory of Bill Cox, W4DAA. It looks like there is some interest in regaining the plaque from the LARG. Be sure to check for rule changes on the SPARC web site.**

**Contest Certificates - W4MYA (Bob) handed out copies of "recent" M/M certificates he received to the operators**

**that were present. Included were:**

**1999 M/M SSB CQ WW DX - #2 Fourth Call Area**

**2001 M/M SSB ARRL DX - #8 US & Canada - Fourth Call Area Division Leader**

**2001 M/M CW ARRL DX - #6 US & Canada - Fourth Call Area Division Leader**

**Nominations of club officers will be made at the March meeting with elections in April.**

**Let's hope for FB sunspots this weekend, as I am ready to twiddle the key (or push the F-keys) this weekend in the ARRL CW DX contest!**

**NORTHWEST MEETING NOTES FOR FEBRUARY by Ed Steeble, K3IXD, chair'**

**The NW region met at Paradise Grill n Frederick, MD on 19 February 2002. In attendance were: K3DNE, K3SKE, W6NRI, W8ZA, W3KHZ, K2PLF, W3ZZ, W3LPL, W3EKT, N3VOP, K3NA, K3TZV, K3WGC, NE3H, K8OQL, K2UOP, N4MM, K3LP, and K3IXD.**

**For the business part of the meeting:**

**1) We voted in K3RUQ, Tinsley, and N3SLN, Adam (ND3F's son).**

**2) ARRL had an announcement on their web page that they opened a contest soapbox page for ARRL contest discussions. In addition to text, there were some pictures posted.**

**3) From ARRL N4MM reported:**

**a) on the ARRL contest rule changes and mentioned that the FD rules have been changed too.**

**b) The implementation of the logbook of the world probably will miss the target date of July 2002.**

**4) From CQ W3ZZ reported that the DX contest log are being computer processed.**

**5) W3LPL said that PVRC is looking for a new FD site. The club would like to find a site with a steep drop off to the west, similar to the previous one, but it could be on a mountain ridge instead of on the water's edge. The location should be fairly large with room for all those rocket launchers. Contact him if you know of a good site.**

**Around the table:**

**K3DNE, Ed; Since 6m is closed he is now spending more time with the family. He lost his 1296 amp in the January contest. K2UOP brought some tubes for the amp to the meeting. He hopes to have 2304 working for the June VHF contest.**

**K3SKE, Dan; He has been making station improvements, including a new 160m inv-V at 100+ feet. Look for him the 160m contest. He is getting a 1296 backbone packet link ready for his node. If anyone has trouble staying connected to packet, he can check the FM deviation.**

**W6NRI, Jim; He did 80 through 160m S&P in the ARRL CW contest. He asked for assistance in getting his ham radio computer working again. K3SKE volunteered to help.**

**W8ZA, Bob; He hosted a multi-2 in ARRL CW. K8OQL and WD3A were guest ops. W3KHZ, Art; He decided he wasn't hearing as well as he should be so he is doing antenna coax maintenance.**

**K2PLF, Marty; He was at N4RV, along with KT4W, for a multi-2 effort.**

**W3ZZ, Gene; He replaced the stock filters in his FT-847 with Inrad filters and is very impressed! He gave the radio a**

**work out in the CW contest and did some A-B comparisons.**

**K3NA, Eric; He was on 20m at W3LPL's in the ARRL CW contest.**

**W3LPL, Frank; He hosted a multi-multi effort in the ARRL CW contest. Conditions were suburb, second year in a row for excellent conditions in this contest. Frank said the 3 land buro has (finally) figured out all those SSB cards for W3RPR are busted W3LPL QSOs.**

**W3EKT, Ed; His wife is recovering nicely from heart surgery. On 6m he has 40 new countries with his total now about 103 worked/ about 75 confirmed.**

**N3VOP, Mike; Since 6m is closed, he has moved back to working the satellites. He invites everyone to check into the 53.09, 6m, FM net, Wednesday nights at 8:30pm ET.**

**K3LP, David; Lately he hasn't been active in contests except for the DX expedition to J6, but does like seeing the member's scores in QST and CQ and the high PVRC club rankings. He urges every entrant to submit their score. He promises to enter more contests.**

**NE3H, Joe; He reported excellent conditions in the RTTY contest. He ran low power.**

**K3WC, Dusty; He requested the following quote be in the minutes, "Sid, I would like to get on 6m even if it is dead." His tower is still on the ground, it is now been that way for over 2 years.**

**K8OQL, Jerry; He was at W8ZA for ARRL CW and will be there for ARRL SSB. He will do the CQ SSB 160m contest form home.**

**K2UOP, Tom; He operated in the January VHF contest. In the ARRL 160m contest he worked 26 countries with his inverted L. A broken tooth during the ARRL CW DX contest greatly reduced his operating time.**

**N4MM, John; He put in a short stint in the VHF contest, in the ARRL 160m contest, and in the ARRL CW DX contest. He is still selling radios and tubes that he acquired from an estate.**

**We gave John a round of applause for his 21 years of service to the League. (For those who missed the ARRL bulletin, John is now a Past Vice President.)**

**K3IXD, Ed; He was at W3SO for the VHF contest and passed around pictures taken during the contest. He reported Marty, W3YOZ, the owner of the W3SO site, FN00, is building an impressive LM station.**

**After going around the table, we had a discussion about how to increase your score in the upcoming ARRL DX SSB contest. Some tips were:**

- 1) If you only have limited time, operate from sunrise to noon.**
- 2) Look for a clear spot high in the band and call CQ.**
- 3) Make your CQs short and sound professional.**
- 4) A tribander and 100w can be competitive. Look at the WRTC results.**

**After the meeting there was a discussion about the ARRL 160m band plan. The advise for those In the 160m contest was to stay above 1843 mHz. The frequency police were there during the CQ WW SSB contest and are expected back for this contest. Hopefully the DX will listen up.**

**The March 19th meeting will be at the Paradise Grill, 1275 W. Patrick Street, Frederick, MD. It is in Shoppers World Mall, (301) 682-6066.**

**The NW Region meetings are on the third Tuesday of the month. Most arrive about 6PM for dinner and informal discussions, the meeting begins at 7:15 PM.**

**MMOLEO, SCOTLAND - QRV: 25 February - 28 March, 2002.**

**Leo, W3LEO, will once again be active from Portpatrick in southwest Scotland from about 25 February - 28 March 2002. His callsign is MMOLEO and he plans to be in the ARRL International DX SSB Contest. He will use an Icom 706 (100 watts), an R-5 vertical (10, 12, 15, 17, 20 meters), and a 40-meter dipole (in inverted-V configuration). QSL via W3LEO.**

**IOTA: Grid Square: IO-74ku; Worked All Britain (WAB) Square: NW-95; CQ Zone: 14; ITU Zone: 27; EU-005 (Great Britain).**

**Note: The nearby pub is only about 35 or so steps from the front door of the cottage. Some URLs to check: Moir Cottage (MMOLEO's QTH): <http://www.moir-cottage.co.uk/> Harbour House (the pub's location): <http://www.harbourhouse.co.uk/>**

**S C O R E S** by Bob Dannals, W2GG

\* \* Changes/additions/deletions  
to W2GG via email only \* \*

### = missing information

**ARRL VHF SS RESULTS  
(FINAL - Feb. 22, 2002)**

| CALL            | PWR | BND | QSO | MULTS | TOTAL   |
|-----------------|-----|-----|-----|-------|---------|
| SINGLE OPERATOR |     |     |     |       |         |
| K3DNE           | H   | 6   | 624 | 165   | 148,170 |
| W4RX            | L   | 9   | 467 | 154   | 121,044 |
| N3HBX           | H   | 5   | 544 | 139   | 93,269  |
| K2UOP           | H   | 7   | 311 | 130   | 60,710  |
| K3ZO            | H   | 2   | 355 | 84    | 29,820  |
| W3ZZ            | #   | #   | 201 | 68    | 19,924  |
| N8II            | L   | 1   | 145 | 43    | 6,235   |
| N3UM            | L   | 2   | 142 | 37    | 5,254   |
| W3ARS           | L   | 2   | 124 | ##    | 4,216   |
| W3EKT           | H   | #   | 101 | 37    | 3,737   |
| W6AXX           | #   | 1   | 138 | 27    | 3,726   |
| W8ZA            | L   | 3   | 64  | 30    | 2,280   |
| N4MM            | L   | 2   | 48  | 17    | 816     |
| K3DSP           | L   | 2   | 32  | ##    | 544     |
| W3CB            | L   | 1   | 30  | 8     | 240     |

W3FG L 3 17 6 108

ROVER

W3IY L 10 395 90 85,680

MULTI-OP

K8GP H 12 1480 266 736,554

W3SO H 4 646 168 128,856

W4MYA H 4 344 104 38,064

20 LOGS TOTAL 1,489,247

Operators (non-PVRC):

K8GP K8ISK W4XP K1RZ K1RA

(KC3WD KA1TB)

W3SO K3IXD W3TEF W3YOZ WR3Z K4VV

(K3RUQ KB3FGG) at W3YOZ

W4MYA KF4QQY W4MYA

#### 160M CW RESULTS (#6 - 02.12.2002)

| CALL  | QSO  | ST   | DX | SCORE   |
|-------|------|------|----|---------|
| W4MYA | 1194 | 57   | 48 | 467,670 |
| W4RX  | 861  | 58   | 40 | 263,120 |
| K4ZW  | 760  | 55   | 27 | 241,316 |
| KT3Y  | 623  | 55   | 38 | 224,000 |
| K2UOP | 653  | 55   | 26 | 150,660 |
| K2PLF | 572  | 49   | 21 | 105,350 |
| N3UM  | 521  | 49   | 24 | 100,375 |
| N4XD  | 532  | 52   | 19 | 97,341  |
| K8OQL | 470  | 53   | 9  | 88,056  |
| N4YDU | 232  | 44   | 16 | 39,060  |
| K4TX  | 279  | 42   | 10 | 38,849  |
| N4CW  | 225  | 40   | 7  | 25,427  |
| N3AM  | 188  | 44   | 5  | 23,275  |
| N3HUV | 103  | (28) |    | 6,104   |
| K3KO  | 60   | 27   | 1  | 4,088   |

SINGLE OP LOW POWER

|       |     |      |    |         |
|-------|-----|------|----|---------|
| K7SV  | 773 | 57   | 26 | 168,407 |
| WJ9B  | 688 | 49   | 20 | 114,471 |
| N2NFG | 565 | 51   | 19 | 97,230  |
| W4TNX | 330 | 42   | 7  | 37,583  |
| N4ZR  | 251 | 39   | 12 | 32,946  |
| WK4Y  | 262 | 47   | 5  | 30,732  |
| W4YE  | 255 | 45   | 5  | 30,200  |
| W4HJ  | 310 | 40   | 3  | 29,498  |
| W3CP  | 228 | (47) |    | 26,179  |
| N4GG  | 183 | (42) |    | 23,750  |



|       |     |    |   |        |
|-------|-----|----|---|--------|
| AD3F  | 191 | 40 | 6 | 21,022 |
| W2YE  | 172 | 40 | 5 | 18,225 |
| N4MM  | 152 | 45 | 3 | 15,390 |
| N3ND  | 154 | 39 | 4 | 14,040 |
| K3SV  | 148 | ## | # | 13,490 |
| N4GU  | 141 | 37 | 4 | 12,751 |
| K3DSP | 140 | 31 | 1 | 9,824  |
| NX9T  | 106 | 33 | 1 | 8,126  |
| N4JED | 79  | 27 | 1 | 4,671  |

SINGLE OP QRP

|      |     |      |  |        |
|------|-----|------|--|--------|
| WK3I | 536 | (64) |  | 80,064 |
|------|-----|------|--|--------|

MULTI OPERATOR

|       |     |    |    |         |
|-------|-----|----|----|---------|
| NY4A  | 807 | 56 | 39 | 233,035 |
| K3DI  | 518 | 51 | 24 | 106,200 |
| K4IQ  | 532 | 49 | 23 | 105,552 |
| K4HA  | 624 | 52 | 32 | 97,384  |
| W3DQ  | 412 | 46 | 7  | 57,130  |
| W3HVQ | 249 | 44 | 15 | 37,583  |
| 4U1WB | 115 | 24 | 0  | 27,600  |
| W2GG  | 203 | 38 | 3  | 19,065  |
| W3UL  | 125 | 33 | 2  | 10,185  |
| W4ZV  | 20  | 7  | 12 | 2,166   |

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45 LOGS CW TOTAL 3,359,190

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Multiop operators (non-PVRC):  
Single op plus packet unless  
indicated below.

|       |                   |
|-------|-------------------|
| 4U1WB | AJ3M (op)         |
| K4HA  | K4NYS K4HA (W2XL) |
| NY4A  | W2CS N4AF at N4AF |
| W3DQ  | N3OC W3DQ         |

Note: Posted score shows PVRC  
portion only of total

**ARRL DX CW #5 (02.25.2002)**

| CALL                 | BND | QSO  | CTY | TOTAL     |
|----------------------|-----|------|-----|-----------|
| SINGLE OP HIGH POWER |     |      |     |           |
| K3ZO                 |     | 3787 | 381 | 4,328,541 |
| N4ZR                 |     | 2894 | 384 | 3,333,888 |
| WR3Z                 |     | 2144 | 342 | 2,199,744 |
| W4YE                 |     | 1387 | 337 | 1,402,257 |
| N3UM                 |     | 1594 | 263 | 1,257,666 |
| KO7X                 |     | 1109 | 269 | 894,963   |
| K4HA                 |     | 925  | 280 | 777,000   |

|       |    |      |     |         |
|-------|----|------|-----|---------|
| W4BQF |    | 1105 | 225 | 744,525 |
| W4ZV  | 10 | 2081 | 109 | 680,487 |
| KT3Y  | 40 | 1344 | 97  | 391,000 |
| K2UOP |    | 539  | 228 | 368,676 |
| WF3J  | 15 | 1054 | 102 | 322,524 |
| WX3B  |    | 478  | 173 | 247,563 |
| W4RIM |    | 290  | 122 | 106,140 |
| K3SV  | 80 | 205  | 51  | 31,059  |

SINGLE OP LOW POWER

|       |    |      |     |           |
|-------|----|------|-----|-----------|
| K7SV  |    | 2359 | 420 | 2,972,340 |
| N4YDU |    | 2054 | 351 | 2,162,862 |
| NY3A  |    | 2328 | 284 | 1,980,900 |
| WJ9B  |    | 1732 | 307 | 1,594,251 |
| K4EU  |    | 1325 | 325 | 1,291,875 |
| W3UJ  |    | 1209 | 283 | 1,026,441 |
| W4HM  |    | 901  | 291 | 786,573   |
| W3IUU |    | 1017 | 213 | 649,863   |
| W3ZZ  |    | 743  | 228 | 508,212   |
| W3CP  |    | 694  | 229 | 476,778   |
| K4QPL |    | 683  | 227 | 465,123   |
| K1EFI |    | 615  | 242 | 445,764   |
| N3ND  |    | 582  | 218 | 380,628   |
| W3DAD |    | 523  | 162 | 254,178   |
| K4EC  |    | 382  | 157 | 179,922   |
| NX9T  |    | 352  | 157 | 164,850   |
| N4MM  |    | 173  | 88  | 45,672    |
| W4IDX | 40 | 203  | 62  | 37,758    |
| W3DQ  |    | 77   | 62  | 14,322    |
| N3JT  | 10 | 100  | 36  | 10,800    |

SINGLE OP ASSISTED

|       |  |      |     |           |
|-------|--|------|-----|-----------|
| W4NF  |  | 2478 | 456 | 3,389,904 |
| N3AM  |  | 1886 | 405 | 2,291,490 |
| N4GG  |  | 1654 | 449 | 2,227,938 |
| W3YY  |  | 1490 | 405 | 1,807,920 |
| W3HVQ |  | 1490 | 365 | 1,632,550 |
| K3DI  |  | 1049 | 367 | 1,154,949 |
| W3GG  |  | 1277 | 301 | 1,153,131 |
| K3KO  |  | 605  | 244 | 442,860   |
| K4CIA |  | 483  | 238 | 344,862   |
| K3UG  |  | 407  | 210 | 256,410   |
| WM3T  |  | 350  | 226 | 237,300   |

MULTI - TWO

|      |  |      |     |            |
|------|--|------|-----|------------|
| K4JA |  | 5992 | 571 | 10,264,000 |
| N4RV |  | 4009 | 517 | 6,207,102  |

MULTI - MULTI

|       |      |     |            |
|-------|------|-----|------------|
| W3LPL | 9038 | 651 | 17,651,214 |
| W4MYA | 6955 | 588 | 12,229,812 |
| NY4A  | 7277 | 574 | 11,959,290 |

# DXPEDITIONS

|          |      |     |             |
|----------|------|-----|-------------|
| 8P9JA    | 5095 | 351 | 5,365,035   |
| TI7/N4MO | 1217 | 58  | 211,758 15m |

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|         |    |       |             |
|---------|----|-------|-------------|
| 52 LOGS | CW | TOTAL | 111,362,670 |
|---------|----|-------|-------------|

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# OPERATORS:

|       |       |                        |
|-------|-------|------------------------|
| 8P9JA | K4MA  | AA4NC                  |
| K4JA  | K1SE  | W3BP K4FJ K4GMH K9GY   |
|       |       | KE9I                   |
| N4RV  | N4RV  | K2PLF KT4W             |
| NY4A  | K2AV  | K7GM N4AF N4CW W2CS    |
| W3LPL | W3LPL | K1HTV W2GG K3KU AI3M   |
|       | K3NA  | N3OC KE3Q K3RA K3RV    |
|       | KD4D  | K4ZW 4X6FR             |
| W4MYA | K4WMA | KC8FS KF4QQY W4DR W4HJ |
|       | W4HZ  | W4MYA W4TNX WK4Y WA8WV |

Notes: KO7X at KI7WX, WR3Z at K4VV

# CQ 160M SSB (#1 - 02.25.2002)

| CALL                 | QSO  | ST | DX | SCORE   |
|----------------------|------|----|----|---------|
| SINGLE OP HIGH POWER |      |    |    |         |
| W4MYA                | 1177 | 58 | 41 | 306,603 |
| N3HBX                | 889  | 56 | 24 | 173,760 |
| K2PLF                | 706  | 46 | 21 | 110,349 |
| NX9T                 | 696  | 52 | 17 | 108,261 |
| K2UOP                | 602  | 52 | 10 | 82,522  |
| K3KO                 | 180  | 44 | 5  | 20,041  |
| W4HJ                 | 252  | 34 | 1  | 18,480  |

|                     |     |    |   |       |
|---------------------|-----|----|---|-------|
| SINGLE OP LOW POWER |     |    |   |       |
| W4TNX               | 104 | 31 | 4 | 8,225 |
| N4CW                | 50  | 26 | 0 | 2,834 |

|                |     |       |    |           |
|----------------|-----|-------|----|-----------|
| MULTI OPERATOR |     |       |    |           |
| K3DI           | 430 | 54    | 22 | 83,296    |
| K3IXD          | 182 | 33    | 0  | 12,903    |
| W2GG           | 106 | 32    | 6  | 9,456     |
| -----          |     |       |    |           |
| 12 LOGS        | SSB | TOTAL |    | 936,730   |
| 45 LOGS        | CW  | TOTAL |    | 3,359,190 |
| 57 LOGS        | MIX | TOTAL |    | 4,295,920 |
| -----          |     |       |    |           |

Multiop operators: Single op plus packet unless indicated below.

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